

Title (en)
A controller for a radio circuit

Title (de)
Steuerung für eine Funkschaltung

Title (fr)
Contrôleur pour circuit radio

Publication
EP 2557688 B1 20180523 (EN)

Application
EP 11290371 A 20110811

Priority
EP 11290371 A 20110811

Abstract (en)
[origin: EP2557688A1] The invention relates to a controller (105) for a radio circuit (100). The radio circuit comprises at least one variable impedance element (102) coupled between an antenna (101) and a received signal quality indicator generator (104). The controller is configured to receive a received signal quality indicator from the received signal quality indicator generator and to provide a control signal to the at least one variable impedance element. The control signal (110) comprises a command to modify the impedance of the variable impedance element in accordance with the value of the received signal quality indicator.

IPC 8 full level
H03H 7/40 (2006.01)

CPC (source: EP US)
H03H 7/40 (2013.01 - EP US)

Citation (examination)
FIRRAO E L ET AL: "An Automatic Antenna Tuning System Using Only RF Signal Amplitudes", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II: EXPRESS BRIEFS, IEEE, US, vol. 55, no. 9, 1 September 2008 (2008-09-01), pages 833 - 837, XP011333982, ISSN: 1549-7747, DOI: 10.1109/TCSII.2008.925652

Cited by
CN112904093A; WO2015128006A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2557688 A1 20130213; EP 2557688 B1 20180523; CN 102932288 A 20130213; CN 102932288 B 20160803; US 2013038502 A1 20130214

DOCDB simple family (application)
EP 11290371 A 20110811; CN 201210279942 A 20120808; US 201213556803 A 20120724